



## Workshop Manual

Amarok 2011 ➤ , Amarok 2017 ➤ ,  
Beetle 2012 ➤ , CC 2012 ➤ ,  
Fox 2010 ➤ , Fox 2014 ➤ , Gol 2006 ➤ ,  
Gol 2013 ➤ , Gol 2017 ➤ , Gol 2019 ➤ ,  
Golf 2007 ➤ , Golf 2013 ➤ ,  
Golf 2015 ➤ , Golf 2016 ➤ ,  
Golf 2017 ➤ , Golf BR 2018 ➤ ,  
Golf Variant 2015 ➤ ,  
Golf Variant MEX 2018 ➤ , Jetta 2011 ➤ ,  
Jetta 2015 ➤ , Jetta 2018 ➤ ,  
Passat 2011 ➤ , Passat 2015 ➤ ,  
Passat Variant 2011 ➤ , Polo 2012 ➤ ,  
Polo BR 2018 ➤ , Polo Sedan 2012 ➤ ,  
Saveiro 2010 ➤ , Saveiro 2014 ➤ ,  
Saveiro 2017 ➤ , SpaceFox 2011 ➤ ,  
T-Cross BR 2020 ➤ , Tiguan 2008 ➤ ,  
Tiguan MEX 2017 ➤ , Touareg 2010 ➤ ,  
Touareg 2015 ➤ , Virtus BR 2018 ➤ ,  
Voyage 2013 ➤ , Voyage 2017 ➤ ,  
Voyage 2019 ➤ , up! 2014 ➤ ,  
up! BR 2018 ➤

### Chemicals Manual

Edition 09.2019



## List of Workshop Manual Repair Groups

### Repair Group

00 - Technical data



Technical information should always be available to the foremen and mechanics, because their careful and constant adherence to the instructions is essential to ensure vehicle road-worthiness and safety. In addition, the normal basic safety precautions for working on motor vehicles must, as a matter of course, be observed.

---

All rights reserved.  
No reproduction without prior agreement from publisher.



## Contents

00 - Technical data .....	1
1     — Change history — .....	1
2     Introduction .....	9
3     List of Suppliers .....	10
3.1     3M do Brasil .....	10
3.2     Brascola Ltda. ....	10
3.3     Castrol Brasil Ltda. ....	10
3.4     Cia Brasileira de Petróleo Ipiranga .....	10
3.5     Chemours .....	10
3.6     Chevron Brasil S/A .....	10
3.7     Cremer S.A. Prod. Têxteis e Cirúrgicos .....	10
3.8     Dow Corning do Brasil Ltda. ....	10
3.9     Elf Lubrificantes do Brasil .....	10
3.10     ExxonMobil .....	10
3.11     Henkel do Brasil Ltda. ....	10
3.12     Klüber Lubrification Lubrificantes Especiais Ltda. ....	10
3.13     Loctite Brasil Ltda. ....	10
3.14     Lumobrás Imp. Com. Ind. Ltda. ....	10
3.15     Motul Synthetic Lubricants .....	10
3.16     Pentosin do Brasil Ltda. ....	10
3.17     Petrobras Distr. S/A .....	11
3.18     Shell Brasil S/A .....	11
3.19     Sika S/A .....	11
3.20     Solplás - Ind. de Plásticos Ltda. ....	11
3.21     Solvay Química .....	11
3.22     Three Bond do Brasil Ind. e Com. Ltda. ....	11
3.23     Total Lubrificantes Brasil Ltda. ....	11
3.24     Tutela Lubrificantes S/A .....	11
3.25     Valvoline Lubrificantes Internacionais Ltda. ....	11
4     Work Instructions for Handling Chemicals .....	12
4.1     Handling of Solvents .....	12
4.2     Work Instruction - Flammable material handling .....	15
4.3     Handling used engine oil .....	16
5     List of authorized products .....	18
5.1     Polyurethane-based sealing adhesive .....	18
5.2     Sealing adhesives for engines .....	18
5.3     High-resistance locking adhesive .....	18
5.4     Low viscosity lock adhesive .....	18
5.5     Locking adhesive for mechanical seals .....	18
5.6     Sealing adhesive .....	19
5.7     2-component adhesive .....	19
5.8     Silicone rubber .....	19
5.9     Cotton tape .....	19
5.10     Self-adhesive PVC tape .....	19
5.11     Double-sided adhesive tape .....	19
5.12     Refrigerant gas - R134a .....	19
5.13     Underbody coating .....	19
5.14     Lubricating oil for engines: Petrol , Ethanol - VW 501 01 standard .....	20
5.15     Lubricating oil for engines: Petrol, Ethanol, Totalflex - VW 502 00 standard .....	20
5.16     Lubricating oil for diesel engines - VW 505 00 standard .....	21
5.17     Lubricating oil for engines: Diesel - VW 507 00 standard .....	23
5.18     Lubricating oil for engines: Petrol and Totalflex - VW 508 88 standard .....	23



5.19	Lubricating oil for diesel engines - VW 509 99 standard . . . . .	24
5.20	Lubricating oil for manual gearbox and steering rack - SAE 90, MIL-L-2105B, API - GL5 . . . . .	25
5.21	Lubricating oil for manual gearbox - SAE 80, MIL-L-2105, API - GL4 . . . . .	25
5.22	Copper grease . . . . .	26
5.23	Grease remover spray . . . . .	26
5.24	Sealant for exhaust connections . . . . .	26
5.25	Teflon thread sealant . . . . .	26
6	List of fractionated products . . . . .	27
6.1	000 096 319 D Polishing material (chromium and aluminium) . . . . .	27
6.2	032 198 561 Additional seal . . . . .	27
6.3	AMV 188 001 02 Adhesive silicone . . . . .	28
6.4	AMV 188 200 03 Sealing paste . . . . .	28
6.5	AMV 189 300 Activating agent . . . . .	28
6.6	AMV 189 400 Sealing compound . . . . .	28
6.7	Liquid sealant D 000 600 A2 . . . . .	28
6.8	D 001 210 M2 Universal adhesive . . . . .	28
6.9	D 002 000 A2 Adhesive remover . . . . .	29
6.10	D 004 660 M2 Adhesive set . . . . .	29
6.11	D 007 000 A2 Spray silicone . . . . .	29
6.12	D 009 200 02 Glass primer . . . . .	29
6.13	D 009 401 04 Cleaning solution . . . . .	30
6.14	D 009 500 25 Applicator . . . . .	30
6.15	Liquid sealant D 154 000 A1 . . . . .	31
6.16	Liquid sealant D 154 100 A1 . . . . .	31
6.17	D 154 102 A1 Sealing compound . . . . .	31
6.18	D 154 103 A1 Adhesive silicone . . . . .	31
6.19	D 169 300 M1 Window adhesive . . . . .	31
6.20	D 169 300 M2 Window adhesive . . . . .	32
6.21	D 174 003 M2 Silicone sealant . . . . .	32
6.22	D 176 404 A3 Adhesive silicone . . . . .	32
6.23	D 176 204 R2 Adhesive silicone . . . . .	32
6.24	D 176 404 M2 Adhesive silicone . . . . .	32
6.25	D 176 501 A1 Adhesive silicone . . . . .	33
6.26	D 180 KU1 A1 2-component adhesive for plastic . . . . .	33
6.27	D 180 KU2 A1 2-component adhesive for plastic . . . . .	33
6.28	D 181 220 A1 Activating agent . . . . .	33
6.29	D 181 655 A1 Activating agent . . . . .	33
6.30	D 181 802 M1 Glass primer . . . . .	34
6.31	Liquid sealant D 185 400 A2 . . . . .	34
6.32	Liquid sealant D 185 400 A3 . . . . .	34
6.33	Liquid sealant D 185 410 A2 . . . . .	34
6.34	D 185 520 A2 Sealing compound . . . . .	34
6.35	D 190 MKD A3 Assembly adhesive . . . . .	35
6.36	Liquid sealant D 192 100 A2 . . . . .	35
6.37	D 195 850 A1 Cleaning solution . . . . .	35
6.38	D 316 D38 A2 Protective wax . . . . .	35
6.39	D 322 100 M2 Wachs-spray . . . . .	35
6.40	D 330 KD2 A1 Cavity spray . . . . .	35
6.41	D 366 PR1 A1 Plastic primer . . . . .	36
6.42	D 454 300 A2 Sealing compound . . . . .	36
6.43	D 469 101 A3 Gluing and sealing compound . . . . .	36
6.44	D 822 150 A1 Plastic surfacer . . . . .	36
6.45	G 000 100 Coupling teeth lubricant compound . . . . .	36
6.46	G 000 115 A2 Spray lubricant . . . . .	37
6.47	G 000 150 Consistent lubricating paste . . . . .	37



6.48	G 000 405 A2 Silicone paste .....	37
6.49	G 000 450 02 Lubrication paste .....	37
6.50	G 000 650 Consistent lubricating paste .....	38
6.51	G 052 109 A2 Assembly paste .....	38
6.52	G 052 112 A3 High temperature paste .....	38
6.53	G 052 128 A1 Thrust ring sealing grease .....	39
6.54	G 052 133 A2 Lubricating paste for high temperatures .....	39
6.55	G 052 135 A1 Lubricating oil .....	39
6.56	G 052 142 A2 Polyurethane lubricating compound .....	39
6.57	G 052 150 A2 Lithium lubricating paste .....	40
6.58	G 052 168 A1 Steering box lubricant .....	40
6.59	G 052 172 A1 Special lubricant .....	40
6.60	G 052 172 M2 Special lubricant .....	40
6.61	G 052 565 A1 Silicone paste .....	40
6.62	G 052 723 A2 Moly paste .....	41
6.63	G 052 735 A2 Multi-purpose grease .....	41
6.64	G 052 738 A2 Lubricating paste for constant velocity joints .....	41
6.65	G 052 738 A3 Thrust ring sealing grease .....	41
6.66	G 052 745 A3 Lubricating paste for low temperature .....	41
6.67	G 052 751 A1 Molybdenum pasta .....	42
6.68	G 052 778 A2 Spray lubricant .....	42
6.69	G 052 817 A1 Contact grease .....	42
6.70	G 060 567 A2 Special lubricant .....	42
6.71	G 060 735 A2 Multi-purpose grease .....	43
6.72	G 060 751 A2 Consistent lubricating paste .....	43
6.73	G 065 567 A2 Cleaning solution .....	43
6.74	G 294 421 A1 Lubricating oil for assembly .....	43





## 00 – Technical data

1 --- Change history ---

(VRL013423; Edition 09.2019)

Edition 09.2019

Date	Chapter	Change
09/30/2019	⇒ "6.49 G 000 450 02 Lubrication paste", page 37	In the application Selector lever, gate relay lever and selector lever shaft set: inclusion of Polo and Virtus
09/30/2019	⇒ "6.35 D 190 MKD A3 Assembly adhesive", page 35	New chapter
09/30/2019	⇒ "6.29 D 181 655 A1 Activating agent", page 33	In the application Wing cover: inclusion of Amarok
09/30/2019	⇒ "6.28 D 181 220 A1 Activating agent", page 33	New chapter

Edition 08,2019

Date	Chapter	Change
08/30/2019	⇒ "6.1 000 096 319 D Polishing material (chromium and aluminium)", page 27	New chapter
08/30/2019	⇒ "6.27 D 180 KU2 A1 2-component adhesive for plastic", page 33	In the application Installation of the interior mirror support: inclusion of Polo, Virtus and T-Cross
08/30/2019	⇒ "6.12 D 009 200 02 Glass primer", page 29	In the application Installation of the interior mirror support: inclusion of Polo, Virtus and T-Cross
08/30/2019	⇒ "6.44 D 822 150 A1 Plastic surfacer", page 36	Updated chapter Inclusion of the application: Interior mirror support bracket
08/30/2019	⇒ "6.68 G 052 778 A2 Spray lubricant", page 42	Updated chapter Inclusion of the application: Installation of the ABS speed sensor
08/30/2019	⇒ "6.52 G 052 112 A3 High temperature paste", page 38	Updated chapter Removal of the application: Installation of the ABS speed sensor

Edition 07.2019

Date	Chapter	Change
09/Aug/ 2019	⇒ "6.36 Liquid sealant D 192 100 A2", page 35	New chapter
09/Aug/ 2019	⇒ "6.9 D 002 000 A2 Adhesive remov- er", page 29	Updated chapter Inclusion of the application: Removal of lettering

Edition 06.2019

Date	Chapter	Change
06/28/2019	⇒ <b>"6.54_G 052 133 A2 Lubricating paste for high temperatures", page 39</b>	Updated chapter Inclusion of the application: Bearing and on the double clutch set axle shaft



Date	Chapter	Change
06/28/2019	⇒ "6.48 G 000 405 A2 Silicone paste", page 37	Updated chapter Inclusion of the application: Gearbox cushion Installation
06/28/2019	⇒ "6.57 G 052 150 A2 Lithium lubricating paste", page 40	Updated chapter Inclusion of the application: Rear brake caliper
06/28/2019	⇒ "6.12 D 009 200 02 Glass primer", page 29	Updated chapter Inclusion of the application: Interior mirror support bracket
06/28/2019	⇒ "6.13 D 009 401 04 Cleaning solution", page 30	Updated chapter Inclusion of the application: Interior mirror support bracket
06/28/2019	⇒ "6.27 D 180 KU2 A1 2-component adhesive for plastic", page 33	Updated chapter Inclusion of the application: Interior mirror support bracket
06/28/2019	⇒ "6.12 D 009 200 02 Glass primer", page 29	In the application side member bottom trim strip: inclusion of the Gol Track
06/28/2019	⇒ "6.13 D 009 401 04 Cleaning solution", page 30	In the application installation of the side member bottom trim strip: inclusion of the Gol Track
06/28/2019	⇒ "6.20 D 169 300 M2 Window adhesive", page 32	In the application Adhesive for the installation of the side member bottom trim strip: inclusion of Gol Track
06/28/2019	⇒ "6.29 D 181 655 A1 Activating agent", page 33	Updated chapter Inclusion of the application: Lower side member trim

#### Edition 05.2019

Date	Chapter	Change
29/May/2019	⇒ "6.30 D 181 802 M1 Glass primer", page 34	Updated chapter Inclusion of the references: Gol, Voyage and Saveiro
29/May/2019	⇒ "6.56 G 052 142 A2 Polyurethane lubricating compound", page 39	Updated chapter Inclusion of reference: Amarok
29/May/2019	⇒ "5.13 Underbody coating", page 19	New chapter

#### Edition 04.2019

Date	Chapter	Change
30/Apr/2019	⇒ "6.38 D 316 D38 A2 Protective wax", page 35	New chapter
30/Apr/2019	⇒ "6.21 D 174 003 M2 Silicone sealant", page 32	Updated chapter Quantity per application: From 80 g to 10 ml
30/Apr/2019	⇒ "6.19 D 169 300 M1 Window adhesive", page 31	New chapter
30/Apr/2019	⇒ "6.20 D 169 300 M2 Window adhesive", page 32	In the application Adhesive for the installation of the windscreen and rear window: inclusion of the T-Cross
30/Apr/2019	⇒ "6.13 D 009 401 04 Cleaning solution", page 30	Updated chapter
30/Apr/2019	⇒ "6.10 D 004 660 M2 Adhesive set", page 29	Updated chapter
30/Apr/2019	⇒ "6.27 D 180 KU2 A1 2-component adhesive for plastic", page 33	New chapter
30/Apr/2019	⇒ "6.30 D 181 802 M1 Glass primer", page 34	New chapter
30/Apr/2019	⇒ "6.57 G 052 150 A2 Lithium lubricating paste", page 40	Updated chapter



Date	Chapter	Change
30/Apr/2019	⇒ "6.42 D 454 300 A2 Sealing compound", page 36	Updated chapter
30/Apr/2019	⇒ "6.55 G 052 135 A1 Lubricating oil", page 39	Updated chapter
30/Apr/2019	⇒ "6.58 G 052 168 A1 Steering box lubricant", page 40	Updated chapter
30/Apr/2019	⇒ "6.52 G 052 112 A3 High temperature paste", page 38	Updated chapter
30/Apr/2019	⇒ "6.50 G 000 650 Consistent lubricating paste", page 38	Updated chapter
30/Apr/2019	⇒ "6.11 D 007 000 A2 Spray silicone", page 29	Updated chapter
30/Apr/2019	⇒ "6.64 G 052 738 A2 Lubricating paste for constant velocity joints", page 41	Updated chapter
30/Apr/2019	⇒ "6.70 G 060 567 A2 Special lubricant", page 42	Updated chapter
30/Apr/2019	⇒ "6.25 D 176 501 A1 Adhesive silicone", page 33	Inclusion of the application Engine sump gasket: Amarok
30/Apr/2019	⇒ "6.19 D 169 300 M1 Window adhesive", page 31	Updated chapter

#### Edition 03.2019

Date	Chapter	Change
29/Mar/2019	⇒ "6.68 G 052 778 A2 Spray lubricant", page 42	Updated chapter Inclusion of the references: T-Cross, Polo and Virtus
29/Mar/2019	⇒ "6.13 D 009 401 04 Cleaning solution", page 30	In the application Side window glass (fixed): inclusion of the Tiguan
29/Mar/2019	⇒ "6.12 D 009 200 02 Glass primer", page 29	In the application Side window glass (fixed): inclusion of the Tiguan
29/Mar/2019	⇒ "6.20 D 169 300 M2 Window adhesive", page 32	Inclusion of the application Side window glass (fixed)

#### Edition 02.2019

Date	Chapter	Change
28/Feb/2019	⇒ "6.20 D 169 300 M2 Window adhesive", page 32	Updated chapter Inclusion of the application: Installation of the stone deflector strip
28/Feb/2019	⇒ "6.12 D 009 200 02 Glass primer", page 29	Updated chapter Inclusion of the application: Installation of the stone deflector strip
28/Feb/2019	⇒ "6.13 D 009 401 04 Cleaning solution", page 30	Updated chapter Inclusion of the application: Installation of the stone deflector strip
28/Feb/2019	⇒ "6.13 D 009 401 04 Cleaning solution", page 30	Updated chapter Inclusion of the application: Rear window
28/Feb/2019	⇒ "6.4 AMV 188 200 03 Sealing paste", page 28	Updated chapter Inclusion of the application: Lower cover cap of the transmission
28/Feb/2019	⇒ "5.12 Refrigerant gas - R134a", page 19	Updated chapter Product removal: SUVA® 134 - Supplier: DU PONT



Date	Chapter	Change
28/Feb/2019	⇒ "5.12 Refrigerant gas - R134a", page 19	Updated chapter Inclusion of the Product: FREON™ 134a - Supplier: CHEMOURS
28/Feb/2019	⇒ "6.11 D 007 000 A2 Spray silicone", page 29	Updated chapter Inclusion of the application: Entire front toothed belt protector
28/Feb/2019	⇒ "6.40 D 330 KD2 A1 Cavity spray", page 35	New chapter
28/Feb/2019	⇒ "6.49 G 000 450 02 Lubrication paste", page 37	Updated chapter Inclusion of the application: Installation of the ABS speed sensor

#### Edition 01.2019

Date	Chapter	Change
31.01.2019	⇒ "6.7 Liquid sealant D 000 600 A2", page 28	Updated chapter Inclusion of Application: Cylinder head cover cap
31.01.2019	⇒ "6.18 D 154 103 A1 Adhesive silicone", page 31	Updated chapter Inclusion of the application: Cylinder head cover cap
31.01.2019	⇒ "6.70 G 060 567 A2 Special lubricant", page 42	Updated chapter Inclusion of the application: Sunroof
31.01.2019	⇒ "6.10 D 004 660 M2 Adhesive set", page 29	New chapter
31.01.2019	⇒ "6.13 D 009 401 04 Cleaning solution", page 30	Updated chapter Inclusion of the application: Installation of the sunroof front panel
31.01.2019	⇒ "6.13 D 009 401 04 Cleaning solution", page 30	Updated chapter Inclusion of the application: Installation of the sunroof front panel and frame
31.01.2019	⇒ "6.14 D 009 500 25 Applicator", page 30	New chapter
31.01.2019	⇒ "6.50 G 000 650 Consistent lubricating paste", page 38	Updated chapter Inclusion of reference: Amarok

#### Edition 11.2018

Date	Chapter	Change
30.11.2018	⇒ "6.4 AMV 188 200 03 Sealing paste", page 28	Updated chapter Inclusion of reference: MQ200 for sealing of selector lever shaft on the transmission surface
30.11.2018	⇒ "6.9 D 002 000 A2 Adhesive remover", page 29	Application included: Remove adhesive residuals from the windscreens
30.11.2018	⇒ "6.13 D 009 401 04 Cleaning solution", page 30	Application included: Remove adhesive residuals from the body to install the windscreens

#### Edition 10.2018

Date	Chapter	Change
31.10.2018	⇒ "6.29 D 181 655 A1 Activating agent", page 33	New chapter
31.10.2018	⇒ "6.62 G 052 723 A2 Moly paste", page 41	Updated chapter Reference change: from All to All National Vehicles (except Golf BC1 and BC2)



Date	Chapter	Change
31.10.2 018	⇒ "6 4 AMV 188 200 03 Sealing paste", page 28	Application included: Installation of 5th and 6th gear cover on the transmission housing for MQ200 (6 gears)

#### Edition 09.2018

Date	Chapter	Change
09/28/2 018	⇒ "6 52 G 052 112 A3 High tempera- ture paste", page 38	Application included: Front exhaust pipe; EA211 engines
09/28/2 018	⇒ "6 60 G 052 172 M2 Special lubri- cant", page 40	Chapter last updated: Change of quantity per application: from 20 ml to 100 ml
09/28/2 018	⇒ "6 70 G 060 567 A2 Special lubri- cant", page 42	Chapter last updated: Change of quantity per application: from 20 ml to 100 ml
09/28/2 018	⇒ "6 8 D 001 210 M2 Universal adhe- sive", page 28	New chapter

#### Edition 08.2018

Date	Chapter	Change
31/Aug/ 2018	⇒ "6.66 G 052 745 A3 Lubricating paste for low temperature", page 41	Application included: Door lock: Vehicle: Gol, Voyage and Saveiro
31/Aug/ 2018	⇒ "6.32 Liquid sealant D 185 400 A3", page 34	New chapter
31/Aug/ 2018	⇒ "6.31 Liquid sealant D 185.400.A2", page 34	New chapter
31/Aug/ 2018	⇒ "6.13 D.009 401 04 Cleaning solu- tion", page 30	Application included: Outer sun roof frame: Vehicle: Golf
31/Aug/ 2018	⇒ "6.5 AMV 189 300 Activating agent", page 28	New chapter
31/Aug/ 2018	⇒ "6.6 AMV 189 400 Sealing com- pound", page 28	New chapter

#### Edition 07.2018

Date	Chapter	Change
30.07.2 018	⇒ "6 55 G 052 135 A1 Lubricating oil", page 39	Inclusion of vehicles: Polo and Virtus
30.07.2 018	⇒ "6.66 G 052 745 A3 Lubricating paste for low temperature", page 41	Application included: Rear lid shock absorber: Vehicle: Fox
30.07.2 018	⇒ "6.45 G 000 100 Coupling teeth lu- bricant compound", page 36	For application: Clutch disengaging lever, ball head pin, clutch slave cylinder and primary shaft Exclusion: "clutch slave cylinder and primary shaft"
30.07.2 018	⇒ "6.45 G 000 100 Coupling teeth lu- bricant compound", page 36	Application included: clutch slave cylinder



## Edition 06.2018

Date	Chapter	Change
30.JUN. 2018	⇒ "5 23 Grease remover spray", page 26	New chapter
30.JUN. 2018	⇒ "5.18 Lubricating oil for engines Petrol and Tota flex - VW 508 88 standard", page 23	Inclusion of engine oils <ul style="list-style-type: none"> <li>◆ TITAN SUPERSYN HI-TBN (5W 40) - FUCHS</li> <li>◆ TOTAL QUARTZ 9000 ENERGY RQ (5W 40) - TOTAL</li> </ul>
30.JUN. 2018	⇒ "5.19 Lubricating oil for diesel engines - VW 509 99 standard", page 24	Inclusion of engine oils <small>Volkswagen AG MANUFA</small> <ul style="list-style-type: none"> <li>◆ TITAN SUPERSYN HI-TBN (5W 40) - FUCHS</li> <li>◆ TOTAL QUARTZ 9000 ENERGY RQ (5W 40) - TOTAL</li> </ul>
30.JUN. 2018	⇒ "6.24 D 176 404 M2 Adhesive silicone", page 32	Application included: EA 111 1.0l engine
30.JUN. 2018	⇒ "6.39 D 322 100 M2 Wachs-spray", page 35	Application included: Junction point of the wheel bearing unit to the brake drum: Vehicles: Fox, Gol, Voyage, Polo, Virtus up!
30.JUN. 2018	⇒ "6.15 Liquid sealant D 154 000 A1", page 31	New chapter

## Edition 05.2018

Date	Chapter	Change
04/JUN/ 2018	⇒ "6.57 G 052 150 A2 Lithium lubricating paste", page 40	Application included: Lubrication of the bonded rubber mounting according to ITP 204903
04/JUN/ 2018	⇒ "6.47 G 000 150 Consistent lubricating paste", page 37	Application included: Bonnet lock
04/JUN/ 2018	⇒ "6.49 G 000 450 02 Lubrication paste", page 37	Application included: Selector lever, gate relay lever and selector lever shaft set (Golf, Fox)
04/JUN/ 2018	⇒ "6.71 G 060 735 A2 Multi-purpose grease", page 43	New chapter
04/JUN/ 2018	⇒ "6.2 032 198 561 Additional seal", page 27	Updated chapter
04/JUN/ 2018	⇒ "6.3 AMV 188 001 02 Adhesive silicone", page 28	For application: Cylinder head cover gasket: included (manufactured up to 09/2011)
04/JUN/ 2018	⇒ "6.4 AMV 188 200 03 Sealing paste", page 28	Application included: Selector lever shaft set gasket on the gearbox surface (SQ200 gearboxes)
04/JUN/ 2018	⇒ "6.25 D 176 501 A1 Adhesive silicone", page 33	Application included: Installation of the pipe socket on the cylinder head (EA 189 engines)
04/JUN/ 2018	⇒ "6.26 D 180 KU1 A1 2-component adhesive for plastic", page 33	New chapter
04/JUN/ 2018	⇒ "6.37 D 195 850 A1 Cleaning solution", page 35	New chapter
04/JUN/ 2018	⇒ "6.44 D 822 150 A1 Plastic surfacer", page 36	New chapter



#### Edition 04.2018

Date	Chapter	Change
30/APR/2018	⇒ "5 1 Polyurethane-based sealing adhesive", page 18	Inclusion of manufacturer: HENKEL
30/APR/2018	⇒ "6 13 D 009 401 04 Cleaning solution", page 30	Application included: Clean the bonnet lock
30/APR/2018	⇒ "6 23 D 176 204 R2 Adhesive silicone", page 32	New chapter
30/APR/2018	⇒ "6 20 D 169 300 M2 Window adhesive", page 32	New chapter
30/APR/2018	⇒ "6 57 G 052 150 A2 Lithium lubricating paste", page 40	For application: Front brake mounting bracket: Inclusion of the Polo, Virtus and up! vehicles
30/APR/2018	⇒ "6 59 G 052 172 A1 Special lubricant", page 40	New chapter
30/APR/2018	⇒ "6 60 G 052 172 M2 Special lubricant", page 40	New chapter
30/APR/2018	⇒ "6.70 G 060 567 A2 Special lubricant", page 42	New chapter
30/APR/2018	⇒ "6.73 G 065 567 A2 Cleaning solution", page 43	New chapter
30/APR/2018	⇒ "6.45 G 000 100 Coupling teeth lubricant compound", page 36	For application: Input shaft: Inclusion of the SQ100 gearbox
30/APR/2018	⇒ "6.45 G 000 100 Coupling teeth lubricant compound", page 36	For application: Clutch disengaging lever, ball head pin and input shaft: Inclusion of the MQ200 and SQ200 gearboxes
30/APR/2018	⇒ "6.16 Liquid sealant D 154 100 A1", page 31	New chapter
30/APR/2018	⇒ "6.9 D 002 000 A2 Adhesive remover", page 29	New chapter
30/APR/2018	⇒ "6 12 D 009 200 02 Glass primer", page 29	Applications included: Windscreen Rear window

#### Edition 03.2018

Date	Chapter	Change
26/Mar/2018	⇒ "6 2 032 198 561 Additional seal", page 27	New chapter
26/Mar/2018	⇒ "6.11 D 007 000 A2 Spray silicone", page 29	New chapter
26/Mar/2018	⇒ "6 17 D 154 102 A1 Sealing compound", page 31	New chapter
26/Mar/2018	⇒ "6 34 D 185 520 A2 Sealing compound", page 34	New chapter
26/Mar/2018	⇒ "6.42 D 454 300 A2 Sealing compound", page 36	New chapter
26/Mar/2018	⇒ "6 49 G 000 450 02 Lubrication paste", page 37	For application: Sunroof: Exception (Fusca)
26/Mar/2018	⇒ "6 52 G 052 112 A3 High temperature paste", page 38	For application: Lambda probe: engines EA211 and EA888 have been included
26/Mar/2018	⇒ "6.56 G 052 142 A2 Polyurethane lubricating compound", page 39	Applications included: Memory block (plastic) of lower rail at the front seat Sealing ring of the selector shaft at the selector mechanism



Date	Chapter	Change
26/Mar/2018	⇒ "6 58 G 052 168 A1 Steering box lubricant", page 40	For application: Installation of boot with steering bar, following vehicles have been included: Amarok, CC, Fox, Gol, Golf, Golf Variant, Jetta, Fusca, Passat, Passat Variant, Passat CC, Polo, Saveiro, Spacefox, Touareg, Voyage, and Virtus
26/Mar/2018	⇒ "6 63 G 052 735 A2 Multi-purpose grease", page 41	New chapter
26/Mar/2018	⇒ "6 64 G 052 738 A2 Lubricating paste for constant velocity joints", page 41	Application included: Memory block (plastic) of upper rail at the front seat
26/Mar/2018	⇒ "6.72 G 060 751 A2 Consistent lubricating paste", page 43	For application: Sunroof: Exception (Fusca)



## 2 Introduction

The information in this manual also cover that mentioned in the  
⇒ Electronic Replacement Parts Catalogue "ETKA".

Some products are sold directly by the supplier, and so contacts  
are directed to them.



### WARNING

- ◆ *The information contained herein is a reference for the importer, since some of the products cited in this Manual may not exist on the market.*
- ◆ *Observe the information in Chapter "Work Instructions for Handling Chemicals" ⇒ page 12*
- ◆ *The application of these chemicals must be confirmed in the repair manuals as well as their correspondence in the ⇒ Electronic parts catalogue "ETKA".*



### 3 List of Suppliers

#### 3.1 3M do Brasil

<http://www.3m.com.br>

#### 3.2 Brascola Ltda.

<http://www.brascola.com.br/>

#### 3.3 Castrol Brasil Ltda.

[www.castrol.com/pt\\_br/brazil.html](http://www.castrol.com/pt_br/brazil.html)

#### 3.4 Cia Brasileira de Petróleo Ipiranga

<http://www.ipiranga.com.br>

#### 3.5 Chemours

<https://www.chemours.com>

#### 3.6 Chevron Brasil S/A

<https://www.chevron.com.br>

#### 3.7 Cremer S.A. Prod. Têxteis e Cirúrgicos

<http://www.cremer.com.br>

#### 3.8 Dow Corning do Brasil Ltda.

[http://www.dowcorning.com/pt\\_BR](http://www.dowcorning.com/pt_BR)

#### 3.9 Elf Lubrificantes do Brasil

<http://www.elf.com>

#### 3.10 ExxonMobil

<http://www.exxonmobil.com.br>

#### 3.11 Henkel do Brasil Ltda.

<http://www.henkel.com.br/index.htm>

#### 3.12 Klüber Lubrication Lubrificantes Especiais Ltda.

<http://www.klueber.com.br/pt/homepage/>

#### 3.13 Loctite Brasil Ltda.

<http://www.loctite.com>

#### 3.14 Lumobrás Imp. Com. Ind. Ltda.

<http://www.lumobras.com.br>

#### 3.15 Motul Synthetic Lubricants

<https://www.motul.com/br/pt-br>

#### 3.16 Pentosin do Brasil Ltda.

<http://www.pentosin.net/>



**3.17 Petrobras Distr. S/A**

<http://www.petrobras.com.br>

**3.18 Shell Brasil S/A**

<http://www.shell.com/bra.html>

**3.19 Sika S/A**

<http://bra.sika.com/>

**3.20 Solplás - Ind. de Plásticos Ltda.**

<http://www.solplas.com.br>

**3.21 Solvay Química**

<http://www.solvay.com/>

**3.22 Three Bond do Brasil Ind. e Com. Ltda.**

<http://www.threebond.com.br>

**3.23 Total Lubrificantes Brasil Ltda.**

<http://www.totalbr.com.br/>

**3.24 Tutela Lubrificantes S/A**

<http://www.tutela.com.br/>

**3.25 Valvoline Lubrificantes Internacionais  
Ltda.**

<http://www.valvoline.com.br/>



## 4 Work Instructions for Handling Chemicals

General considerations:



### WARNING

*Mind all the information contained in the chapters:*

- ◆ *Handling of Solvents* ⇒ [page 12](#)
- ◆ *Work instruction - Handling of flammable materials*  
⇒ [page 15](#)
- ◆ *Handling of used engine oils* ⇒ [page 16](#)

### 4.1 Handling of Solvents

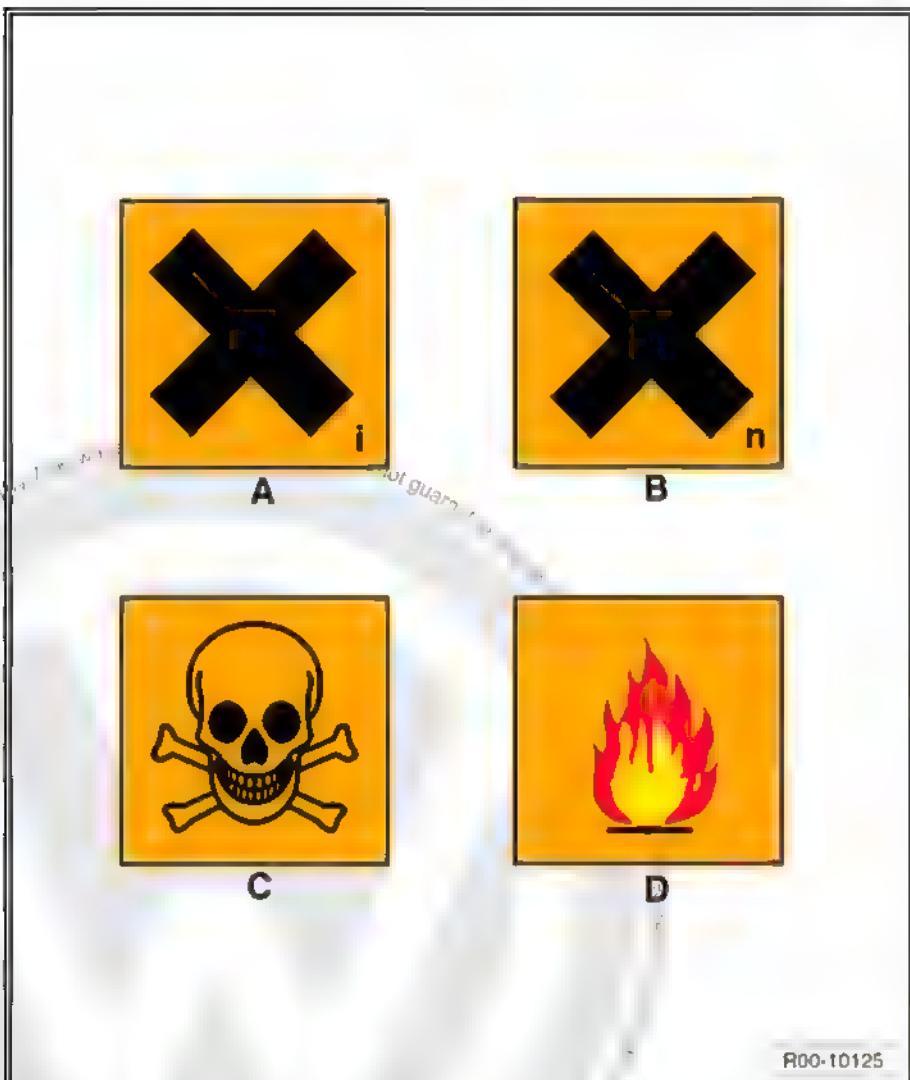
#### ◆ Description of the Material

Solvents and their mixtures, e. g. hydrocarbons, halogens, alcohols, esters, ketones are liquid organic substances. This Safety Information applies to all solvents and water-free cleaning products, and hardeners, primers, separators, and all preparations used as well for this purpose.

Solvents can be classified as follows:



- A - Irritant
- B - Noxious
- C - Toxic
- D - Easily flammable



R00-10125

◆ Applications

painting, cleaning and maintenance of parts.

◆ Storage

Solvents must be stored in closed, identified safety containers. Storing solvents in beverage bottles is strictly prohibited. Keep only a volume sufficient to carry out the work in one shift in the workplace. Volumes exceeding the daily requirement must be stored in well ventilated, explosion-proof rooms.

◆ Work

Work with solvents requires the use of exhaust fans or environments with good ventilation. Greater quantities of easily flammable or flammable materials must be handled only in explosion-proof locations. To prevent spontaneous combustion, solvents must not come into contact with highly corrosive substances (e.g. chromic acid, organic peroxides, etc.).

Thus, the following should be observed.

1 - prevent contact with hot surfaces, alkalis, such as caustic soda, burnt lime or light metal chips.

2 - prevent contact with hot surfaces, alkalis, such as caustic soda, burnt lime or light metal chips.



3 - protect the material against sunlight.

4 - do not use open flames, such as welding torches

In case of prolonged use or storage, mixtures of halogen and flammable solvents, such as cold cleaning products, classified as less flammable, may become flammable solutions, due to evaporation of the halogen component

◆ Maintenance in confined spaces

Solvent vapours are heavier than air. Thus, they concentrate in wells and tanks. Accordingly, before starting work in these places, an "authorization for confined space" must be requested

◆ Operational failures

Spilt solvent must be collected using appropriate absorption products. The products should be stored in closed containers with material identification and information on the content for future disposal.

◆ Protection against fire

When handling solvents, open flames, exposed lighting and smoking are prohibited. For fire extinguishers, use CO<sub>2</sub> and dry chemical powder.

◆ Health protection, hygiene at work

- 1 - When inhaled, most solvents have a narcotic effect and reduce ethanol tolerance. Some solvents, even in small concentrations, are noxious.
- 2 - In case of severe intoxication, remove the person to an outside or a well-ventilated location, until an ambulance arrives.
- 3 - Work uniforms heavily-stained with solvent should be changed and thoroughly cleaned.
- 4 - Workers who have handled solvents and later complain about health problems should consult a doctor immediately. The doctor must be informed about the solvents handled by the worker.
- 5 - Solvents have a degreasing effect on the skin. Using solvents to clean the skin is prohibited. Should contact with the skin be inevitable, treat the skin beforehand with protective cream.
- 6 - In workplaces where solvents are used, eating, drinking and storing food, especially close to chemicals, are prohibited.
- 7 - Smoking while handling solvents is prohibited, since there is risk of fire or formation of products that cause toxic reactions in atmospheres with high hydrocarbon and halogen contents.

◆ Personal protective equipment

In compliance with Standard 6 (NR-6) Ordinance 3214 of the Ministry of Labour, handling of solvents requires the use of personal protective equipment, such as the following:

1 - gloves

2 - safety goggles

3 - protective clothing

◆ Environmental protection, waste treatment

Solvents must not be disposed of in the sewer network. These products must be collected into proper containers, which must be closed and identified, for future disposal or recycling



## 4.2 Work instruction - Flammable material handling

Flammable liquids are liquids, liquid mixtures or liquids with solid particles in solution or suspension (including substances classified in a different way, based on their hazardous characteristics) producing flammable vapours at temperatures up to 60.5 °C, in open vessel tests.

Flammable materials may be solid, liquid or gaseous. As they release oxygen, these materials burn and, under certain circumstances, may ignite explosively. Flammable materials cause irritations, corrosion, and noxious and toxic reactions.

In accordance with legislation, flammable materials are classified as follows

- ◆ Extremely flammable: Liquid substances or mixtures, which flash point (temperature at which the substance may catch fire) is below 0 °C and boiling point is below 35 °C;
- ◆ Easily flammable:

substances or mixtures that may warm and ignite in the air at room temperature, without interference from any energy source;

substances or solid mixtures that may easily ignite after a brief contact with an ignition source and that keep burning after the source is removed;

For liquid substances, the flash point is lower than 21 °C. In contact with water or humid air, extremely flammable gases are released in dangerous volumes;

- ◆ Flammable: substances or liquid mixtures, the flash point of which is equal to or higher than 21 °C and lower than or equal to 55 °C.

Handling these materials requires that the following be observed:

- 1 - In work and storage places, wood is not to be used for floors, desks or racks. The floor must be kept clean.
- 2 - Eating, drinking, smoking, and storing food or cigarettes are prohibited at the workplace and areas close to it.
- 3 - The required personal protective equipment, such as safety goggles, gloves, and, where applicable, aprons and rubber boots, must be used.
- 4 - Wet or excessively dirty clothing must be promptly changed. This clothing must not be dried. Work clothes - even those slightly dirty - must be sorted and marked with the following warning before being sent to laundry: "CLOTHES CONTAMINATED WITH FLAMMABLE MATERIAL". These clothes must be washed in water
- 5 - Contaminated or wet personal clothes must also be washed in water at home
- 6 - Flammable materials must not come into contact with organic substances, such as oil, grease, and solvent, since there is risk of fire
- 7 - While handling flammable materials, prevent spillage and dust. In case of leaks, spilt products must not be adsorbed by sawdust or disposed of in trash cans.
- 8 - Solid flammable materials must be swept or wet with absorption products. These materials must be collected into proper containers and sent for disposal with identification of their content
- 9 - Should flammable materials come into contact with the skin or eyes, wash them promptly with plenty of water (for at least



15 minutes) Then, consult a doctor. Inform about the product affecting the person

## 4.3 Handling used engine oil

### ◆ Description of the material

Oils for four-cylinder engines comprise basically superior hydrocarbons with additives. At temperatures that can reach over 450°C at the bottom of the piston, oxidation and other chemical reactions take place. In these processes reactive products are formed, such as "polycyclic aromatic hydrocarbons".

### ◆ Applications

Used engine oil is produced mostly in engine test workshops after long-running operational tests. It is also produced during oil change, for example, at a customer service centre, and from vehicles undergoing durability tests. For sealing quality control, these engine oils are submitted to thermal load.

### ◆ Storage

Used engine oil must be collected and temporarily stored into metal containers with locks and the following warning:

"Caution. Used engine oil" Prevent contact with skin

### ◆ Work

Production-scale work at recovery facilities, unproductive application in used oil coagulation.

### ◆ Maintenance

When carrying out maintenance work, observe the following items: Operational failures - Leaks, Protection against fire, and Health protection, hygiene at work.

### ◆ Operational failures - Leaks

Should absorption of spilt oil be required, the spilt product must be stored in closed containers for future disposal.

### ◆ Protection against fire

Engine oils are not classified as flammable materials, since their flash points are above 100 °C. To prevent spontaneous ignition, fire or explosion, cloths or other absorbent materials impregnated with oil must be stored in non-flammable containers with a cover.

### ◆ Health protection and hygiene at work

Prolonged or repetitive contact with any type of engine oil results in skin degreasing. Skin drying, irritation or inflammation may occur. In addition, used engine oils contain hazardous substances classified as "polycyclic aromatic hydrocarbons". The following work hygiene precautions should be observed:

- 1 - Before handling used engine oils, apply appropriate skin protection.
- 2 - Preferentially, use warm water and soap to remove engine oil from skin
- 3 - Solvents, cold cleaners, thinners, diesel oil should not be used for cleaning skin contaminated with engine oil.

### ◆ Personal protection equipment

The following equipment should be used:

- Safety goggles
- Gloves
- Apron



◆ Environmental protection, waste treatment

Used oils are classified as liquids hazardous to water. Do not dispose of used oil in the sewer system or the soil.



## 5 List of authorized products

Some products are sold directly by the supplier, and so contacts are directed to them.



### WARNING

- ◆ The information contained herein is a reference for the importer, since some of the products cited in this Manual may not exist on the market.
- ◆ Observe the information in Chapter "Work Instructions for Handling Chemicals" page 12



### Note

The application of these chemicals must be confirmed in the repair manuals as well as their correspondence in the ⇒ Electronic parts catalogue "ETKA".

### 5.1 Polyurethane-based sealing adhesive

Trade Name	Packaging	Supplier
Teroson MS 222	310 ml CARTRIDG-ES	HENKEL
Sikaflex 221 - white	300 ml CARTRIDG-ES	SIKA

### 5.2 Sealing adhesives for engines

Trade Name	Packaging	Supplier
THREE BOND 1102 A	900 ML TINS	THREE BOND

### 5.3 High-resistance locking adhesive

Trade Name	Packaging	Supplier
LOCTITE 601	10g and 50 g TUBES	LOCTITE
LOCTITE 638	50g and 250 g TUBES	LOCTITE
THREE BOND 1329	10, 50 and 250 g TUBES	THREE BOND

### 5.4 Low viscosity lock adhesive

Trade Name	Packaging	Supplier
LOCTITE 649	50g and 250g TUBES	LOCTITE
THREE BOND 1305	10, 50 and 250 g TUBES	THREE BOND

### 5.5 Locking adhesive for mechanical seals

Trade Name	Packaging	Supplier
THREE BOND 1386 E	250 ML TUBES	THREE BOND



## 5.6 Sealing adhesive

Trade Name	Packaging	Supplier
LOCTITE 573	50 AND 250 ML TUBES	LOCTITE

## 5.7 2-component adhesive

Trade Name	Packaging	Supplier
THREE BOND 3941 (BLUE)	50 ML TUBES	THREE BOND
THREE BOND 3942 (RED)	50 ML TUBES	THREE BOND

## 5.8 Silicone rubber

Trade Name	Packaging	Supplier
BRASCOVED SI-40 - BLACK	85 g TUBES	BRASCOLA
SILASTIC 732 RTV - BLACK	85 g TUBES	DOW CORNING

## 5.9 Cotton tape

Trade Name	Packaging	Supplier
TESABAND IM-PERMEÁVEL 4651 (waterproof)	19 MM X 50 M ROLLS	CREMER

## 5.10 Self-adhesive PVC tape

Trade Name	Packaging	Supplier
FITA 470	30 M X 19 MM ROLLS	3 M

## 5.11 Double-sided adhesive tape

Trade Name	Packaging	Supplier
Double-sided tape	6.3 MM X 10 M ROLLS	3 M

## 5.12 Refrigerant gas R134a

Trade Name	Packaging	Supplier
FREON™ 134a	750 g	CHEMOURS
SOLKANE® 134a	340 g	SOLVAY QUÍMICA

## 5.13 Underbody coating

Trade Name	Packaging	Supplier
TEROSON RB 2000 HS (grey, black and white)	1-LITRE CANS	HENKEL



## 5.14 Lubricating oil for engines: Petrol , Ethanol - VW 501 01 standard

National and imported models produced up to 11/2002 (except PASSAT as of the 2001 production series)

Trade Name	SAE	Packag-ing	Part num-ber	Supplier
CASTROL GTX EX-CLUSIVEn (semi-synthetic)	10 W 40	1 litre 200 litres	G 052 167 A1 G 052 167 M1	VOLKSWA-GEN
MOTUL 4100 TUR-BOLIGHT	10 W 40	1 litre	-	MOTUL
PENTO-LUB PER-FOR-MANCE	10 W 40	1 litre	-	PENTOSIN
PETRO-NAS SYN-TIUM 1000	10 W 40	1 litre	-	PETRONAS

## 5.15 Lubricating oil for engines: Petrol, Ethanol, Totalflex - VW 502 00 standard

Totalflex models up to the 2013 series

Models with petrol engine (except models with 1.4 TS petrol engine "sold as of October 01, 2016")

Trade Name	SAE	Packag-ing	Part num-ber	Supplier
MAXI PERFO-MANCE VW 502 00	5 W 40	1 litre	G 052 167 R4	VOLKSWA-GEN
CASTROL MAGNA-TEC PRO-FES-SION-AL MF	5 W 40	1 litre 200 litres	G 052 167 A4 G 052 167 M3	
CASTROL EDGE PROFES-SIONAL A3	0 W 30	1 litre	G 052 167 A7	
HAVO-LINE UL-TRAS	5 W 40	1 litre	-	CHEVRON
TITAN SU-PERSYN LONG-LIFE	5 W 40	1 litre	-	FUCHS
TITAN SU-PERSYN	5 W 40	1 litre	-	FUCHS
IPIRANGA F1 MAS-TER SYN-THETIC SN 502	5 W 40	1 litre	-	IPIRANGA



Trade Name	SAE	Packag-ing	Part num-ber	Supplier
MOBIL SUPER 3000 X1	5 W 40	1 litre	-	MOBIL
MOTUL 6100 SYNERGIE +	5 W 40	1 litre	-	MOTUL
MOTUL 6100 SYNERGIE +	10 W 40	1 litre	-	MOTUL
MOTUL 8100 X Cess	5 W 40	1 litre	-	MOTUL
PENTOSIN SYNTH HC	5 W 40	1 litre	-	PENTOSIN
PETRONAS SYNTIUM 300	5 W 40	1 litre	-	PETRONAS
SHELL HELIX ULTRA	5 W 40	1 litre	-	SHELL
TOTAL QUARTZ 9000	5 W 40	1 litre	-	TOTAL
VALVOLINE SYNPOWER MST	5 W 40	1 litre	-	VALVOLINE
ELAION F50	5 W 40	1 litre	-	YPF

## 5.16 Lubricating oil for diesel engines - VW 505 00 standard

Trade Name	SAE	Packag-ing	Part num-ber	Supplier
MAXI PERFORMANCE VW 502 00	5 W 40	1 litre	G 052 167 R2	VOLKSWAGEN
CASTROL GTX EXCLUSIVE	10 W 40	1 litre	G 052 167 A1	
		200 litres	G 052 167 M1	
CASTROL MAGNA-TEC PROFESSIONAL MF	5 W 40	1 litre	G 052 167 A4	
		200 litres	G 052 167 M3	
CASTROL EDGE PROFESSIONAL A3	0 W 30	1 litre	G 052 167 A7	
ELAION F50	5 W 40	1 litre	-	YPF
TITAN SUPERSYN	5 W 40	1 litre	-	FUCHS



Trade Name	SAE	Packag-ing	Part num-ber	Supplier
TITAN SU-PERSYN LONG-LIFE	5 W 40	1 litre	-	FUCHS
HAVO-LINE UL-TRA S	5 W 40	1 litre	-	CHEVRON
IPIRANGA F1 MAS-TER SYN-THETIC SN 502	5 W 40	1 litre	-	IPIRANGA
MOBIL SUPER 3000 X1	5 W 40	1 litre	-	MOBIL
MOTUL 6100 SYN-ERGIE +	5 W 40	1 litre	-	MOTUL
MOTUL 8100 X Cess	5 W 40	1 litre	-	MOTUL
MOTUL 8100 X Clean	5 W 40	1 litre	-	MOTUL
PENTO-SYNT HC	5 W 40	1 litre	-	PENTOSIN
TOTAL QUARTZ 9000	5 W 40	1 litre	-	TOTAL
SHELL HELIX UL-TRA	5 W 40	1 litre	-	SHELL
VALVO-LINE SYN-POWER MST	5 W 40	1 litre	-	VALVOLINE
PETRO-NAS SYN-TIUM 3000	5 W 40	1 litre	-	PETRONAS
MOTUL 4100 TUR-BOLIGHT	10 W 40	1 litre	-	MOTUL
MOTUL 6100 SYN-ERGIE +	10 W 40	1 litre	-	MOTUL
PENTO-LUB PER-FOR-MANCE	10 W 40	1 litre	-	PENTOSIN
PETRO-NAS SYN-TIUM 1000	10 W 40	1 litre	-	PETRONAS



## 5.17 Lubricating oil for engines: Diesel - VW 507 00 standard

AMAROK (with diesel particulate filter - DPF)

Trade Name	SAE	Packag-ing	Part num-ber	Supplier
CASTROL EDGE PROFESSIONAL LONG-LIFE III TITANIUM FST	5 W 30	1 litre	G 052 195 R2	VOLKSWA-GEN
MOTUL SPECIFIC DPF DIESEL	5 W 30	1 litre	-	MOTUL
PENTO SUPER PERFORMANCE III	5 W 30	1 litre	-	PENTOSIN
PETRONAS SYNTHIUM 5000 AV	5 W 30	1 litre	-	PETRONAS
SHELL HELIX ULTRA ECT	5 W 30	1 litre	-	SHELL
MOBIL 1 ESP FORMULA	5 W 30	1 litre	-	MOBIL
ELAION F 70 E	5 W 30	1 litre	-	YPF
MOTUL 6100 SYNERGIE +	0 W 30	1 litre	-	MOTUL

## 5.18 Lubricating oil for engines: Petrol and Totalflex - VW 508 88 standard

Totalflex models as of the 2014 series

1.4 TSI petrol models ("sold as of October 01, 2016")

Petrol models as of the 2018 series

Trade Name	SAE	Packag-ing	Part num-ber	Supplier
MAXI PERFORMANCE VW 508 88	5 W 40	1 litre	G 053 553 R2	VOLKSWA-GEN
CASTROL MAGNA-TEC PROFESSIONAL 508 88	5 W 40	1 litre 200 litres	G 052 553 R2 G 052 553 R6	CHEVRON
HAVOLINE ULTRA W	5 W 40	1 litre		



Trade Name	SAE	Packag-ing	Part num-ber	Supplier
TITAN SU-PERSYN HI-TBN	5 W 40	1 litre	-	FUCHS
ELAION F50 PLUS	5 W 40	1 litre	-	YPF
IPIRANGA F1 MAS-TER SYN-THETIC SN 508	5 W 40	1 litre	-	IPIRANGA
MOBIL SUPER 3000 X5	5 W 40	1 litre	-	MOBIL
MOTUL SPECIFIC 508 88 509 99	5 W 40	1 litre	-	MOTUL
PENTO-SYNTH R	5 W 40	1 litre	-	PENTOSIN
PETRO-NAS SYN-TIUM 3000 BV	5 W 40	1 litre	-	PETRONAS
SHELL HELIX HX8 PRO-FES-SION-AL AV	5 W 40	1 litre	-	SHELL
TOTAL QUARTZ 9000 EN-ERGY RQ	5 W 40	1 litre	-	TOTAL
VALVO-LINE SYN-POWER R-TEC	5 W 40	1 litre	-	VALVOLINE

## 5.19 Lubricating oil for diesel engines - VW 509 99 standard

AMAROK (without diesel particulate filter - DPF)

Trade Name	SAE	Packag-ing	Part num-ber	Supplier
MAXI PER-FOR-MANCE VW 508 88	5 W 40	1 litre	G 053 553 R2	VOLKSWA-GEN
CASTROL MAGNA-TEC PRO-FES-SION-AL 508 88	5 W 40	1 litre	G 052 553 R2	
		200 li-tres	G 052 553 R6	
HAVO-LINE UL-TRA W	5 W 40	1 litre	-	CHEVRON
TITAN SU-PERSYN HI-TBN	5 W 40	1 litre	-	FUCHS



Trade Name	SAE	Packag-ing	Part num-ber	Supplier
ELAION F50 PLUS	5 W 40	1 litre	-	YPF
IPIRANGA F1 MAS-TER SYN-THETIC SN 508	5 W 40	1 litre	-	IPIRANGA
MOTUL SPECIFIC 508 88 509 99	5 W 40	1 litre	-	MOTUL
PENTO-SYNT H R	5 W 40	1 litre	-	PENTOSIN
MOBIL SUPER 3000 X5	5 W 40	1 litre	-	MOBIL
PETRO-NAS SYN-TIUM 3000 BV	5 W 40	1 litre	-	PETRONAS
SHELL HELIX HX8 PRO-FES-SION-AL AV	5 W 40	1 litre	-	SHELL
TOTAL QUARTZ 9000 EN-ERGY RQ	5 W 40	1 litre	-	TOTAL
VALVO-LINE SYN-POWER R-TEC	5 W 40	1 litre	-	VALVOLINE

## 5.20 Lubricating oil for manual gearbox and steering rack - SAE 90, MIL-L-2105B, API - GL5

Trade Name	Supplier
CASTROL MAXTRON 90	CASTROL
ESSO GEAR OIL GX	ESSO
IPIRGEROL SP 90	IPIRANGA
MOBILUBE HD 90	MOBIL
LUBRAX TRM 5	PETROBRÁS
SHELL SPIRAX A 90	SHELL
MULTIGEAR EP 90	TEXACO

## 5.21 Lubricating oil for manual gearbox - SAE 80, MIL-L-2105, API - GL4

Trade Name	Supplier
IPIRGEROL EP 80	IPIRANGA
CASTROL UNITRÓN 80 W	CASTROL
ESSO GEAR OIL GP 80 W	ESSO
MOBILUBE GX 80 W	MOBIL
LUBRAX TRM-4	PETROBRÁS



Trade Name	Supplier
SHELL SPIRAX G 80 W UNIVERSAL EP	SHELL TEXACO

## 5.22 Copper grease

Trade Name	Packaging	Supplier
MOLIKOTE (r) CU-7439 PLUS	100 g TUBES	LUMOBRÁS

## 5.23 Grease remover spray

Trade Name	Packaging	Supplier
LOCTITE 7063	400 ml CANS	HENKEL

## 5.24 Sealant for exhaust connections

Trade Name	Packaging	Supplier
TMX 386	3.6-LITER CANS	SOLPLÁS
UV-93	3.6-LITER CANS	BRASCOLA
AIR DRYING SEAL- ANT	3.6-LITER CANS	HENKEL

## 5.25 Teflon thread sealant

Trade Name	Packaging	Supplier
VIBRA-SEAL 503	15 g and 250 g TUBES	LOCTITE



## 6 List of fractionated products



### WARNING

*Observe the information in Chapter "Work Instructions for Handling Chemicals" ➤ page 12*



### Note

*The application of these chemicals must be confirmed in the repair manuals as well as their correspondence in the ➤ Electronic parts catalogue "ETKA".*

### 6.1 -000 096 319 D- Polishing material (chromium and aluminium)

Application	Packaging	Quantity per application	Reference
Lettering / badge polishing (chromium and aluminium), as per ITP 2026148.	250 ml	10 ml (per trim / lettering)	All vehicles

### 6.2 -032 198 561 Additional seal

Application	Set	Quantity per application	Reference
Cylinder head cover gasket, according to TPI 2029576	3 units (AMV 189 400) 1 unit (AMV 189 300) 1 spatula	10 repairs	EA 111 1.0l e 1.6l engines
Cylinder head cover gasket	3 units (AMV 189 400) 1 unit (AMV 189 300) 1 spatula	3 repairs	EA 111 1.0l e 1.6l engines



### 6.3 -AMV 188 001 02- Adhesive silicone

Application	Packaging	Quantity per application	Reference
Cylinder head cover gasket	100 g	10 g	EA 111 1.0l and 1.6l engines manufactured until 09/2011

### 6.4 -AMV 188 200 03- Sealing paste

Application	Packaging	Quantity per application	Reference
Gearbox and clutch housing seal	100 g	25 g	MQ200 and SQ200 gearboxes
Selector lever shaft set gasket on the gearbox surface	100 g	2 g	MQ200 and SQ200 gearboxes
5th and 6th gear cover on the transmission housing	100 g	10 g	MQ200 transmission (6 gears)
Lower cover cap of the transmission	100 g	2 g	MQ200 and SQ200 gearboxes

### 6.5 -AMV 189 300- Activating agent

Seal set - 032 198 561- item [page 27](#)

### 6.6 -AMV 189 400- Sealing compound

Seal set - 032 198 561- item [page 27](#)

### 6.7 Liquid sealant -D 000 600 A2-

Application	Packaging	Quantity per application	Reference
Rear cover fastening of mechanical distributor (toothed belt)	18 ml	3 ml (1 ml each bolt)	EA 111 1.0l e 1.6l engines
Cylinder head cover cap	18 ml	18 ml (per application)	EA 888 engines

### 6.8 -D 001 210 M2- Universal adhesive

Application	Packaging	Quantity per application	Reference
Rear seat backrest frame lining	420 g	140 g (each application)	Golf, Golf Variant



### 6.9 -D 002 000 A2- Adhesive remover

Application	Packaging	Quantity per application	Reference
Removal of adhesives	1000 ml	10 ml (per application)	All vehicles
Removal of lettering	1000 ml	50 ml (per application)	All vehicles
Remove all adhesive residues from the sunroof front panel	1000 ml	50 ml (per application)	Golf, Passat
Remove adhesive residuals from the windscreen	1000 ml	100 ml (per application)	New Jetta

### 6.10 -D 004 660 M2- Adhesive set

Application	Packaging	Quantity per application	Reference
Sunroof front panel	400 ml	200 ml	Golf
Sunroof front panel and frame	400 ml	400 ml	Golf, Passat (3G2)
Windscreen and rear window installation adhesive	400 ml	400 ml (single application)	Amarok, CC, EOS, Fox, Golf, Golf Variant, Jetta, Jetta Variant, Fusca, Passat, Passat Variant, Polo, Saveiro, Spacefox, Tiguan, Touareg, up!, Voyage, Polo, Virtus, T-Cross

### 6.11 -D 007 000 A2- Spray silicone

Application	Packaging	Quantity per application	Reference
Lubricate support sleeves at the ABS hydraulic unit	200 ml	3 ml	Polo, Virtus, T-Cross
Entire front toothed belt protector	200 ml	10 ml	Amarok

### 6.12 -D 009 200 02- Glass primer

Application	Packaging	Quantity per application	Reference
Windscreen	10 ml	5 ml	All vehicles
Rear window	10 ml	5 ml	All vehicles
Interior mirror support bracket	10 ml	2 ml	Amarok, Polo, Virtus and T-Cross



Application	Packaging	Quantity per application	Reference
Front side window glass (fixed)	10 ml	2 ml	Golf, Tiguan
Lower side member trim	10 ml	2 ml	Gol Track, Saveiro Cross

## 6.13 -D 009 401 04- Cleaning solution

Application	Packaging	Quantity per application	Reference
Side window glass (fixed)	250 ml	5 ml	Golf, Tiguan
External sealing (panoramic sunroof)	250 ml	5 ml	Tiguan
Windscreen	250 ml	5 ml	Gol, Voyage, Saveiro, Polo, Virtus, T-Cross
Clean the bonnet lock	250 ml	5 ml	Amarok
Outer sun roof frame	250 ml	25 ml	Golf
Remove adhesive residuals from the body to install the windscreen	250 ml	25 ml	New Jetta
Installation of the sunroof front panel	250 ml	10 ml	Golf, Passat
Installation of the sunroof front panel and frame	250 ml	20 ml	Golf, Passat
Installation of the lower side member trim	250 ml	10 ml	Gol Track, Saveiro Cross
Interior mirror support bracket	250 ml	10 ml	Amarok
Rear window	250 ml	10 ml	Gol, Voyage, Saveiro, Polo, Virtus, T-Cross

## 6.14 -D 009 500 25- Applicator

Application	Packaging	Quantity per application	Reference
For application of glass and windshield primer	1 pc	1 pc	All vehicles



## 6.15 Liquid sealant -D 154 000 A1-

(High strength)

Application	Packaging	Quantity per application	Reference
Securing bolt of the air bag device (front passenger side)	10 ml	1 ml (per bolt)	Golf, Golf Variant, Tiguan, Polo, Virtus, Passat, CC, up!

## 6.16 Liquid sealant -D 154 100 A1-

(Loctite 648)

Application	Packaging	Quantity per application	Reference
Flywheel to crankshaft securing bolt (TPI 2038587)	10 ml	1 ml (1 g per bolt)	Amarok

## 6.17 -D 154 102 A1- Sealing compound

Application	Packaging	Quantity per application	Reference
Cylinder head cover sealing	50 g	5 g	EA 211 engines

## 6.18 -D 154 103 A1- Adhesive silicone

Application	Packaging	Quantity per application	Reference
Engine oil carter seal(superior)	100 g	50 g	EA 211 1.6 engines
Cylinder head cover cap	100 g	5 g (per cap)	EA 888 engine

## 6.19 -D 169 300 M1- Window adhesive

Application	Packaging	Quantity per application	Reference
Window installation adhesive	180 ml	180 ml (single application)	Amarok, CC, EOS, Golf, Golf Variant, Jetta, Jetta Variant, Fusca, Passat, Passat Variant, Tiguan, Touareg and T-Cross
Sunroof frame	180 ml	180 ml (single application)	Golf (Mexico)



## 6.20 -D 169 300 M2- Window adhesive

Application	Packaging	Quantity per application	Reference
Windscreen and rear window installation adhesive	300 ml	300 ml (single application)	Amarok, CC, EOS, Gol, Golf, Golf Variant, Jetta, Jetta Variant, Fusca, Passat, Passat Variant, Polo, Saveiro, Spacefox, Tiguan, T-Cross
Fixed side window installation adhesive	300 ml	100 ml	Tiguan
Adhesive for installation of the lower side member trim	300 ml	100 ml	Golf Track, Saveiro Cross

## 6.21 -D 174 003 M2- Silicone sealant

Application	Packaging	Quantity per application	Reference
Installation of entire toothed belt protection at the cylinder block	80 ml	10 ml (per application)	Amarok

## 6.22 -D 176 404 A3- Adhesive silicone

Application	Packaging	Quantity per application	Reference
Engine oil carter seal (top and bottom)	120 g	60 g	EA 111 1.6l engines
Engine oil carter seal (bottom)	120 g	40 g	EA 111 1.0l engines

## 6.23 -D 176 204 R2- Adhesive silicone

Application	Packaging	Quantity per application	Reference
Cylinder head cover gasket	120 g	5 ml (2 g)	EA 111 engines

## 6.24 -D 176 404 M2- Adhesive silicone

Application	Packaging	Quantity per application	Reference
Engine oil carter seal	80 ml	40 ml	EA 111 1.0l e 1.6l engines



## 6.25 -D 176 501 A1- Adhesive silicone

Application	Packaging	Quantity per application	Reference
Engine oil carter seal (top and bottom)	50 ml (71 g)	25 ml (35 g)	EA 211 1.0l, 1.4l and 1.6l engines
Engine oil carter seal	50 ml (71 g)	50 ml (71 g)	Amarok
Installation of the pipe socket on the cylinder head	50 ml (71 g)	10 ml (7 g)	EA 189 engines

## 6.26 -D 180 KU1 A1- 2-component adhesive for plastic

Application	Packaging	Quantity per application	Reference
Replacement of the parking aid sender support bracket	50 ml	5 ml (each support bracket)	Jetta

## 6.27 -D 180 KU2 A1- 2-component adhesive for plastic

Application	Packaging	Quantity per application	Reference
Replacement of the parking aid sender support bracket	50 ml	5 ml (each support bracket)	T-Cross
Interior mirror support bracket	50 ml	10 ml	Amarok, Polo, Virtus and T-Cross

## 6.28 -D 181 220 A1- Activating agent

Application	Packaging	Quantity per application	Reference
Mudflap cover	25 ml	5 ml	Amarok

## 6.29 -D 181 655 A1- Activating agent

Application	Packaging	Quantity per application	Reference
Mudflap cover	15 ml	5 ml	Fox Pepper, Amarok
Lower side member trim	15 ml	5 ml	Gol Track, Saveiro Cross



### 6.30 -D 181 802 M1- Glass primer

Application	Packaging	Quantity per application	Reference
Windscreen	10 ml	2 ml	T-Cross Gol, Voyage and Saveiro
Sunroof frame	10 ml	5 ml	Golf (Mexico)

### 6.31 Liquid sealant -D 185 400 A2-

Application	Packaging	Quantity per application	Reference
Locking of the dodecahedron nut on the outer thread of the drive shaft (vehicles with FS II 13" and PR = 1N0 brake caliper)	50 ml	1 ml (per nut)	Fox (5Z1 and 5Z3)

### 6.32 Liquid sealant -D 185 400 A3-

Application	Packaging	Quantity per application	Reference
Locking of the dodecahedron nut on the outer thread of the drive shaft (vehicles with FS II 13" and PR = 1N0 brake caliper)	50 ml	1 ml (per nut)	Fox (5Z1 and 5Z3)

### 6.33 Liquid sealant -D 185 410 A2-

Application	Packaging	Quantity per application	Reference
Splines between pinion and flange (rear axle)	10 ml	1 ml	Amarok

### 6.34 -D 185 520 A2- Sealing compound

Application	Packaging	Quantity per application	Reference
Mechanical gearbox sealing (0C6)	50 ml	25 ml	Amarok



### 6.35 -D 190 MKD A3- Assembly adhesive

Application	Pack-aging	Quantity per application	Reference
Installation of the wheel arch trim	310 ml	100 ml	Amarok

### 6.36 Liquid sealant -D 192 100 A2-

Application	Pack-aging	Quantity per application	Reference
Splines between pinion and flange (rear axle)	50 ml	2 ml	Amarok

### 6.37 -D 195 850 A1- Cleaning solution

Application	Pack-aging	Quantity per application	Reference
Replacement of the parking aid sender support bracket	120 ml	2 ml (each support bracket)	Jetta

### 6.38 -D 316 D38 A2- Protective wax

Application	Pack-aging	Quantity per application	Reference
Leaf spring set lubrication	1000 ml	50 ml (per leaf spring set)	Amarok

### 6.39 -D 322 100 M2- Wachs-spray

Application	Pack-aging	Quantity per application	Reference
Wheel's centred seating point	500 ml	4 ml	Eos, Jetta, Jetta Variant, Passat, Passat Variant and Touareg
Junction point of the wheel bearing unit to the brake drum	500 ml	5 ml	Fox, Gol, Voyage, Polo, Virtus, up! and T-Cross

### 6.40 -D 330 KD2 A1- Cavity spray

Application	Pack-aging	Quantity per application	Reference
Package compartment cross piece	400 ml	130 ml	Virtus



#### 6.41 -D 366 PR1 A1- Plastic primer

Application	Packaging	Quantity per application	Reference
External sealing (panoramic sunroof)	40 ml	5 ml	Tiguan

#### 6.42 -D 454 300 A2- Sealing compound

Application	Packaging	Quantity per application	Reference
Cylinder head cover gasket	120 g	5 g	CC
Sealing of the constant-velocity protection boot	120 g	2 g	Amarok, CC, Fox, Fusca, Gol, Golf, Golf Variant, Jetta, Passat, Passat Variant, Polo, Polo Sedan, Parati, Saveiro, Spacefox, Tiguan, Touareg, Voyage, Polo, Virtus and T-Cross

#### 6.43 -D 469 101 A3- Gluing and sealing compound

Application	Packaging	Quantity per application	Reference
Door plastic protective film	310 ml	15 ml	Amarok

#### 6.44 -D 822 150 A1- Plastic surfacer

Application	Packaging	Quantity per application	Reference
Replacement of the parking aid sender support bracket	150 ml	2 ml (each support bracket)	Jetta, T-Cross
Interior mirror support bracket	150 ml	2 ml	Polo, Virtus and T-Cross

#### 6.45 -G 000 100- Coupling teeth lubricant compound

Application	Packaging	Quantity per application	Reference
Input shaft	80 g	2 g	MQ200, SQ100, SQ200, and DQ200 gearboxes
Transfer box Input shaft	80 g	2 g	Amarok
Crankshaft needle bearing	80 g	2 g	DQ200 Gearboxes



Application	Pack-aging	Quantity per application	Reference
Clutch disen-gaging lever and ball head pin	80 g	1 g	MQ200, SQ100 and SQ200 gearboxes
Clutch slave cylinder	80 g	1 g	MQ200, SQ100 and SQ200 gearboxes

#### 6.46 -G 000 115 A2- Spray lubricant

Application	Pack-aging	Quantity per application	Reference
Rear lid lock	200 ml	4 ml (per vehicle)	All imported Vehicles (except Amarok, Golf, Golf Variant, Fusca and Jetta)

#### 6.47 -G 000 150- Consistent lubricating paste

Application	Pack-aging	Quantity per application	Reference
Tail lift and bonnet	80 g	5 g (per vehicle)	Amarok
Bonnet lock	80 g	1 g	Amarok
Door limiter	80 g	4 g (per vehicle)	CC (solely MY 2017)

#### 6.48 -G 000 405 A2- Silicone paste

Application	Pack-aging	Quantity per application	Reference
Temporary spare wheel support striker	50 g	2 g	CrossFox
Metal/rubber bearings of the wishbone	50 g	2 g (per bearing)	Gol, Voyage, Saveiro and Fox
Gearbox cushion Installation	50 g	1 g	Gol, Voyage and Saveiro

#### 6.49 -G 000 450 02- Lubrication paste

Application	Pack-aging	Quantity per application	Reference
Door locks	90 g	4 g (per vehicle)	up!
Rear lid buffers	90 g	4 g	Saveiro
Sunroof	90 g	15 g	Jetta, Fox, Crossfox, Spacefox
Selector lever assembly (lever, selector bracket, bearing shells, housing)	90 g	10 g	up!



Application	Packaging	Quantity per application	Reference
Selector lever, gate relay lever and selector lever shaft set	90 g	4 g	Golf, Fox, Polo, Virtus
Selector lever assembly (selector shaft, gate relay lever, selector cables)	90 g	6 g	Gol, Voyage, Saveiro, Fox, SpaceFox, Polo, Virtus
Installation of the ABS speed sensor	90 g	2 g (per sensor)	Gol, Voyage, Saveiro, Fox, SpaceFox, Polo, Virtus, T-Cross, up!

#### 6.50 -G 000 650- Consistent lubricating paste

Application	Packaging	Quantity per application	Reference
Front brake caliper, rear brake cylinder and brake pads	100 g	4 g	Amarok, Gol, Voyage, Saveiro, Fox, SpaceFox, Polo, Virtus, T-Cross

#### 6.51 -G 052 109 A2- Assembly paste

Application	Packaging	Quantity per application	Reference
Mounting of the tyre on the wheel	120 g	4 g (per wheel)	Golf, Jetta, Golf Variant, Fox, Jetta Variant and Spacefox

#### 6.52 -G 052 112 A3- High temperature paste

Application	Packaging	Quantity per application	Reference
Lambda probe and exhaust system manifold	170 g	5 g	Amarok
Front exhaust pipe	170 g	1 g (per bolt)	EA211 engines
Lambda probe	170 g	2 g (per sensor)	EA111, EA211, and EA888 engines
Securing bolts of the oil return pipe (turbo-charger)	170 g	1 g (per bolt)	Amarok



### 6.53 -G 052 128 A1- Thrust ring sealing grease

Application	Packaging	Quantity per application	Reference
Drive flange retainer	50 g	2 g (per retainer)	MQ200, MQ250, SQ200, and SQ100 gearboxes

### 6.54 -G 052 133 A2- Lubricating paste for high temperatures

Application	Packaging	Quantity per application	Reference
External constant-velocity joint	90 g	90 g (per axle)	Fox, Gol, Jetta, Jetta Variant, Fusca, Passat, Passat Variant, Saveiro, SpaceFox and Voyage
Bearing and on the double clutch set axle shaft	90 g	2 g (each application)	Golf (DSG 6 speed)

### 6.55 -G 052 135 A1- Lubricating oil

Application	Packaging	Quantity per application	Reference
Installation of the constant velocity joint shaft into the wheel hub	100 ml	4 ml (per shaft)	Golf, Polo, Virtus, up! and T-Cross

### 6.56 -G 052 142 A2- Polyurethane lubricating compound

Application	Packaging	Quantity per application	Reference
Installation of the ABS speed sensor	400 g	2 g (per sensor)	Amarok, CC, Fox, Gol, Golf, Golf Variant, Jetta, Jetta Variant, Fusca, Passat, Passat Variant, Passat CC, Saveiro, Spacefox, Tiguan, Touareg, Voyage, up!, Polo, Virtus and T-Cross
Installation of the clutch switch	400 g	2 g (per switch)	Amarok, MQ200 transmissions
Memory block (plastic) of lower rail at the front seat	400 g	4 g (each seat)	Gol, Voyage and Saveiro
Sealing ring of the selector shaft at the selector mechanism	400 g	0.5 g	SQ200 Gearboxes



#### 6.57 -G 052 150 A2- Lithium lubricating paste

Application	Packaging	Quantity per application	Reference
Front brake caliper	180 g	2 g (per caliper)	Gol, Golf, Golf Variant, Fox, New Jetta, Polo, Saveiro, SpaceFox, T-Cross, Tiguan Allspace, up!, Virtus, Voyage
Rear brake caliper	180 g	2 g (per caliper)	Golf, Golf Variant, New Jetta, Polo, Virtus, T-Cross, Tiguan Allspace
Bonded rubber bush lubricant	180 g	2 g (per bearing)	Gol, Voyage, Saveiro, Fox, SpaceFox, Polo, Virtus, up!, T-Cross

#### 6.58 -G 052 168 A1- Steering box lubricant

Application	Packaging	Quantity per application	Reference
Installation of boot with steering bar	10 g	1 g	Amarok, CC, Fox, Gol, Golf, Golf Variant, Jetta, Fusca, Passat, Passat Variant, Passat CC, Polo, Saveiro, Spacefox, Tiguan, Touareg, Voyage, Virtus, up!, T-Cross

#### 6.59 -G 052 172 A1- Special lubricant

Application	Packaging	Quantity per application	Reference
Solar roof (TPI 2049029)	30 ml	5 ml	Passat, Passat Variant, Golf

#### 6.60 -G 052 172 M2- Special lubricant

Application	Packaging	Quantity per application	Reference
Solar roof (TPI 2049029)	100 ml	100 ml	Passat, Passat Variant, Golf

#### 6.61 -G 052 565 A1- Silicone paste

Application	Packaging	Quantity per application	Reference
Ignition coil	20 g	1 g (per coil)	EA211, EA390, EA824 and EA888 engines



## 6.62 -G 052 723 A2- Moly paste

Application	Packaging	Quantity per application	Reference
Installation of the front bearing into the wheel bearing housing	50 ml	5 ml (per bearing)	All National Vehicles (except Golf BC1 and BC2)

## 6.63 -G 052 735 A2- Multi-purpose grease

Application	Packaging	Quantity per application	Reference
Lubrication of rear wheel bearings (with adjustment)	120 g	4 g (each bearing)	Wheel bearings with adjustment
Replacement of rear wheel bearings (with adjustment)	120 g	17 g (each brake drum)	Wheel bearings with adjustment (according to action 42F7)

## 6.64 -G 052 738 A2- Lubricating paste for constant velocity joints

Application	Packaging	Quantity per application	Reference
External constant-velocity joint	120 g	120 g	Amarok, CC, Golf, Golf Variant, Jetta, Fusca, Passat, Passat Variant, Tiguan, Touareg, up!, T-Cross
Cardan shaft (splined shaft and seal)	120 g	4 g	Amarok
Memory block (plastic) of upper rail at the front seat	120 g	2 g (each set)	Gol, Voyage and Saveiro

## 6.65 -G 052 738 A3- Thrust ring sealing grease

Application	Packaging	Quantity per application	Reference
Gearbox radial retainer	400 g	4 g (per retainer)	Mechanical gearboxes (013)

## 6.66 -G 052 745 A3- Lubricating paste for low temperature

Application	Packaging	Quantity per application	Reference
Front seat frame	1 kg	4 g (per seat)	Gol, Voyage and Saveiro



Application	Packaging	Quantity per application	Reference
Rear lid shock absorber	1 kg	2 g (each shock absorber)	Fox
Door lock	1 kg	2 g (per lock)	Gol, Voyage and Saveiro

#### 6.67 -G 052 751 A1- Molybdenum pasta

Application	Packaging	Quantity per application	Reference
Installation of the constant velocity joint shaft into the wheel hub	60 g	4 g (per axle)	Gol, Voyage, Saveiro, Fox and SpaceFox

#### 6.68 -G 052 778 A2- Spray lubricant

Application	Packaging	Quantity per application	Reference
Door limiter	50 ml	4 ml (per vehicle)	Amarok
Selector selector shaft, gate relay lever, selector cables and selector lever	50 ml	4 ml (each set)	Golf, Polo, Virtus and T-Cross
Installation of the ABS speed sensor	50 ml	1 ml (per sensor)	Golf, Polo, Virtus and T-Cross

#### 6.69 -G 052 817 A1- Contact grease

Application	Packaging	Quantity per application	Reference
Electro valve, electric motor and sensor connectors	10 g	1 g (per connector)	SQ200 Gearboxes

#### 6.70 -G 060 567 A2- Special lubricant

Application	Packaging	Quantity per application	Reference
Solar roof (TPI 2049029)	100 ml	100 ml	(ITP 2049029)
Sunroof	100 ml	20 ml	Jetta (BU3), Passat, Passat Variant, Tiguan Allspace, Touareg, T-Cross



### 6.71 -G 060 735 A2- Multi-purpose grease

Application	Packaging	Quantity per application	Reference
Sealing rings of shaft to input shaft (transfer box),	50 g	2 g (per sealing ring)	Amarok

### 6.72 -G 060 751 A2- Consistent lubricating paste

Application	Packaging	Quantity per application	Reference
Sunroof	160 g	16 g	All imported (except Jetta)

### 6.73 -G 065 567 A2- Cleaning solution

Application	Packaging	Quantity per application	Reference
Solar roof (TPI 2049029)	100 ml	20 ml	Passat, Passat Variant, Golf

### 6.74 -G 294 421 A1- Lubricating oil for assembly

Application	Packaging	Quantity per application	Reference
Installation of rubber bearings at steering box	100 ml	1 ml (each bearing)	Amarok